

TOP SECRET RUFF

1 Oct 69 22 05Z

OUT-68493

R 012147Z
FM NPICZEM
TOP SECRET TTTT RUFF
CITE NPIC 7133.
REF: NPIC SEMICIRCULAR ARRAYS, ISTRA, USSR,
DEC 68 (TOP SECRET RUFF)

25X1

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1. FIVE UNUSUAL HIGH FREQUENCY (HF) FACILITIES IN THE USSR,
WHICH HAVE BEEN PREVIOUSLY REPORTED BUT UNIDENTIFIED AS TO FUNCTION,
APPEAR TO BE SOVIET COMMAND/CONTROL RELATED. THE FIVE FACILITIES ARE:A. ISTRA RADIO COMMUNICATIONS AND BROADCAST TRANSMITTER STATION
55 53 10N 036 57 00E

25X1

B. MEZHDURECHYE RADIO COMMUNICATIONS TRANSMITTER STATION
54 41 15N 021 30 00E

25X1

C. KORYAKI RADIO COMMUNICATIONS STATION
53 13 45N 158 05 00E

25X1

DISTRIBUTION		
CY	OFFICE	FI
1	FILE	25X1
2	CABLE SEC.	25X1
	PF&B/RD	
	SECUR.	25X1
	TSSG	25X1
	PSG/OC	
	RRD	
	REPRO	
	AID	
	IEG	
	PROD	3
4	SCIEN	
	WEST	
	EAST	
	M&S	
	PCM	
5	IAS	
	DIA-XX4	
6	SPAD	
7		25X1
	CMX	

2. A COMMON FEATURE OF EACH OF THESE FACILITIES IS THE PRESENCE
OF A LARGE DUAL EARTH-COVERED CONTROL BUNKER. THE FACILITIES AT
ISTRA, MEZHDURECHYE, AND PROBABLY KORYAKI HAVE ONE OR MORE HF
SEMICIRCULAR ANTENNA ARRAYS WHILE THOSE FACILITIES AT SOVETSKAYA
GAVAN AND BAKHCHISARY HAVE A MIXTURE OF HF RHOMBIC AND FISHBONE
ANTENNAS.3. IF IT IS ASSUMED THAT THE PRINCIPAL RADIO FREQUENCY RADIATION
IS OFF THE CONVEX SIDE OF THE ARRAY, THEN THE ASSUMED RADIATION
FAN OF THE ARRAY AT MEZHDURECHYE WOULD EXTENDED OVER
A LARGE AREA SEAWARD. NO OBVIOUS LAND BASED CORRESPONDENTS CAN
BE IDENTIFIED.4. THE FACILITY AT ISTRA IS LOCATED IN THE INTERIOR OF THE USSR
WHICH MAKES IT DIFFICULT TO DETERMINE THE AREAS TO WHICH THE THREE
ARRAYS PROPAGATE. IN THE CASE OF THE THREE REMAINING FACILITIES,
KORYAKI, SOVETSKAYA GAVAN, AND BAKHCHISARY, PRESENTLY AVAILABLE
PHOTOGRAPHIC COVERAGE IS NOT OF SUFFICIENT INTERPRETABILITY TO MAKE
POSITIVE IDENTIFICATION OF THE SPECIFIC TYPES OR PROPAGATION AZIMUTHS
OF THE ANTENNAS PRESENT. IT IS OF INTEREST TO NOTE THAT ALL
FACILITIES WITH THE EXCEPTION OF ISTRA, ARE LOCATED ON THE PERIPHERY
OF THE USSR, AND ARE IN AREAS OF SIGNIFICANT NAVAL ACTIVITY. THE
ABOVE EVIDENCE SUGGESTS THAT THESE FACILITIES MAY BE NAVAL RELATED.GP-1
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25X1

--END OF MESSAGE--

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